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TITLE : METHOD FOR IMPROVING ALKALI RESISTANCE OF COATING MATERIAL

ABSTRACT : PURPOSE: To obtain a coating material having improved alkali resistance and giving a matte coating film having excellent alkali resistance by compounding a coating material with wet-process fine silica powder surface-treated to exhibit hydrophobic property.

CONSTITUTION: A coating material is compounded with wet-process hydrophobic fine silica powder surface-treated to get a di-n-butylamine adsorption of  $\leq 40$  m-mol/kg. The fine powder preferably has a BET specific surface area of 30-150m<sup>2</sup>/g and a secondary particle diameter of 0.5-10 $\mu$ m. The fine powder can be produced e.g. by spraying an organopolysiloxane such as dimethylsilicone oil to silica powder and heating at 250-350°C for 0.5-2hr.

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